



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,837	09/30/2003	Markus Cherdron	09700.0052-00	3769
60668 7590 01/23/2008 SAP / FINNEGAN, HENDERSON LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			EXAMINER TECKLU, ISAAC TUKU	
			ART UNIT 2192	PAPER NUMBER
			MAIL DATE 01/23/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/676,837	CHERDRON ET AL.	
	Examiner	Art Unit	
	Isaac T. Tecklu	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 16-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to the Request for Continued Examination filed on 12/03/07.
2. Claim 1-15 have been cancelled.
3. New claims 18-31 have been added.
4. A terminal disclaimer in compliance with 37 CFR 1.321(c) has been filled and the rejection under nonstatutory double patenting has been withdrawn.
5. Claims 16-31 have been reexamined.

Continued Examination Under 37 CFR 1.114

6. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/03/2007 has been entered.

Specification

7. The disclosure is objected to because of the following informalities: The specification is devoid of terms such as "computer-readable medium" as recited in claims 16 and 17. The specification discloses mass storage devices for storing and information carriers for embodying

computer program instructions. The specification should be written in “full, clear, concise, and exact terms”. Examiner has treated computer-readable medium to include non-volatile memory. Appropriate correction is required.

Claim Rejections.- 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 16-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Lucassen (US 2003/0023953 A1).

As per claim 16, Lucassen discloses a computer-readable medium containing instructions for controlling a data processing system to perform a method, for supplying data to a view presenting a model (e.g. Fig. 7 and related text), the view having at least one user interface (UI) element and relating to a controller for manipulating the model (e.g. Fig. 1 and related text), the method comprising:

creating a run-time data structure in a storage area that relates to the controller, the runtime data structure being based on a design-time data structure (in paragraph [0029] "... dynamically generates ... run time ..." and e.g. Fig. 5, 59-60 and related text), the design-time data structure including a structure element that is bound to the UI element (paragraph [0152] "... UI components ... defined as data structure that encompass data model ..." and e.g. Fig. 5, 58 and Fig. 7 and related text); and

using a supply function to provide content for the run-time data structure (in paragraph [0109] "... generates functional or customized presentation ...").

As per claim 17, Lucassen discloses a computer-readable medium containing instructions for controlling a data processing system to perform a method, for accessing application data by an application using a model of the application and at least one controller for manipulating the model (e.g. Fig. 1 and related text), the method comprising:

providing a storage area that relates to the controller, the storage area being organized according to a design-time data structure having declared relationships between the application data, and storing a run-time data structure that is based on the design-time data structure (e.g. Fig. 6, element 63 and related text);

accessing a structure element of the run-time data structure, the structure element comprising a node collection (in paragraph [0036] "... access data easily using ..." and paragraph [0038] "... simultaneously to gain sequential or parallel access...");

evaluating the node collection; and if the result of evaluating the node collection requires filling at least one element of the node collection (e.g. Fig. 6, 67 and related text): sending a query to a computer system (paragraph [0145] "... mapping will be sequential ... request for confirmation ..." and e.g. FIG. 8 and related text); and

in response to the query, receiving from the computer system at least one data instance that is used to fill the at least one element of the node collection (in paragraph [0152] "... data model instance , interaction instance and other interaction history ...").

Per claim 18 (New), Lucassen discloses a computer-readable medium containing instructions for controlling a data processing system to perform a method, the method comprising:

establishing a model, the model implementing application logic of an application (e.g. Fig. 7, Model and related text);

establishing at least one view for presenting the model, the view comprising a user interface (UI) element which is bound to a first data structure (e.g. Fig. 7, View and related text);

establishing at least one controller for manipulating the model, the at least one controller relating to the at least one view (e.g. Fig. 7, Controller and related text); and

establishing at least one storage area, the at least one storage area relating to the at least one controller and storing an instance of the first data structure, the instance of the first data structure comprising data having been stored in the storage area by an access method associated with the at least one controller, the first data structure having been declared prior to execution of the application (e.g. Fig. 8, Legacy content and related text).

Per claim 19 (New), Lucassen discloses the computer-readable medium of claim 18, wherein the instance of the first data structure comprises one or more node elements, each node element comprising one or more data fields based on the first data structure (e.g. Fig. 2, 20 and related text).

Per claim 20 (New), Lucassen discloses the computer-readable medium of claim 19, wherein one or more of the node elements are grouped into a node collection (e.g. Fig. 7, controller 1 and related text).

Per claim 21 (New), Lucassen discloses the computer-readable medium of claim 20, wherein one or more of the node elements in the node collection are grouped into a node selection (e.g. Fig. 7, controller 3 and related text).

Per claim 22 (New), Lucassen discloses the computer-readable medium of claim 21, wherein one of the node elements in the node selection is identified as a lead selection element (e.g. Fig. 7, controller 1 and related text).

Per claim 23 (New), Lucassen discloses the computer-readable medium of claim 22, wherein the UI element displays data from the lead selection element (paragraph [0152] "... UI components ... defined as data structure that encompass data model ..." and e.g. Fig. 5, 58 and Fig. 7 and related text).

Per claim 24 (New), Lucassen discloses the computer-readable medium of claim 18, wherein the access method is part of an application programming interface (API) for accessing the instance of the first data structure (e.g. Fig. 7, GUI authoring and related text).

Per claim 25 (New), Lucassen discloses the computer-readable medium of claim 18, wherein the method further comprises:

establishing an instance of a second data structure, the second data structure having been declared to be a child of the first data structure prior to execution of the application (in paragraph [0152] "... data model instance , interaction instance and other interaction history ...").

Per claim 26 (New), Lucassen discloses the computer-readable medium of claim 25, wherein the instance of the first data structure comprises one or more node elements of a first type grouped into a first node collection, and the instance of the second data structure comprises one or more node elements of a second type grouped into a second node collection (in paragraph [0152] "... data model instance , interaction instance and other interaction history ...").

Per claim 27 (New), Lucassen discloses the computer-readable medium of claim 26, wherein one of the node elements in the first node collection is identified as a selected element, and wherein the node elements in the second node collection depend on the selected element (in paragraph [0152] "... data model instance , interaction instance and other interaction history ...").

Per claim 28 (New), Lucassen discloses the computer-readable medium of claim 26, wherein the second node collection has a state (e.g. Fig. 7, controller 1 and related text).

Per claim 29 (New), Lucassen discloses the computer-readable medium of claim 28, wherein the state is selected from the group of valid, invalid, and unfilled (e.g. Fig. 7, controller 1 and related text).

Per claim 30 (New), Lucassen discloses the computer-readable medium of claim 29, wherein the method further comprises:

establishing a supply function for determining a content of the one or more node elements in the second node collection if the state of the second node collection is invalid or unfilled (e.g. Fig. 7, controller 1 and related text).

Per claim 31 (New), Lucassen discloses the computer-readable medium of claim 30, wherein the supply function is implemented as a method of the at least one controller (e.g. Fig. 7, controller 1-controller 3 and related text).

Response to Arguments

10. Applicant's arguments with respect to claims 16-31 have been considered but are moot in view of the new ground(s) of rejection. See Lucassen, art made of record.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac T. Tecklu whose telephone number is (571) 272-7957. The examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Application/Control Number:
10/676,837
Art Unit: 2192

Page 10

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Isaac Tecklu

Art Unit 2192


ERIC B. KISS
PRIMARY EXAMINER